

Claims

1. A fireback for use in domestic open fireplaces and which in use surrounds the fire bed and which extends upwardly to a throat which in use connects with a chimney, the fireback having  
5 walls with inner surfaces that slope steadily inwardly to decrease the cross sectional area of the fireback, a larger area being at a height substantially the level of the fire bed and smaller area being adjacent the throat.
- 10 2. A fireback as claimed in Claim 1 wherein the inner surfaces of the fireback walls have at least in some places their surface area increased by having raised surface features thereon.
3. A fireback as claimed in Claim 2 wherein the inner surface  
15 has at least in some area, corrugations or undulations formed thereon.
4. A fireback as claimed in claim 3 wherein the corrugations or undulations form peaks lying in planes substantially parallel  
20 to the base of the fireback.
5. A fireback as claimed in Claims 1 wherein the inner surfaces of the fireback slope inwardly at an angle of 15-25 degrees of arc from the vertical, preferably about 21 degrees.

6. A fireback as claimed in Claim 5 wherein the wall of the fireback is of generally arcuate horizontal cross-section and is frustoconical in shape.

5 7. A fireback as claimed in claim 6, wherein the fireback wall is semi-circular in horizontal cross-section with the diameter forms the fireback opening.

10 8. A fireback as claimed in Claim 5, wherein the walls of the fireback comprises planar walls that all slope inwardly with increasing height from its base portion.

9. A fireback as claimed in Claim 8 wherein the walls form part of a pyramid having a polygonal base.

15

10. A fireback as claimed in Claim 9 wherein said part is substantially one half of a six sided pyramid with the fireback opening being on a centre line of the base.

20 11. A fireback as claimed in Claim 6, wherein the fireback is formed as a single refractory cement casting.

12. A fireback as claimed in Claim 8 wherein the fireback is formed as a single refractory cement casting.

25

13. A fireback as claimed in Claim 6, wherein the base portion of the fireback from its base to a height substantially level with the fire bed may be vertical.

- 5 14. A fireback as claimed in Claim 8, wherein the base portion of the fireback from its base to a height substantially level with the fire bed may be vertical.

10

15

20

25